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## Product Datasheet

### Aphidicolin, CAS [[38966-21-1]]

### FBM-10-2058

Article Name	Aphidicolin, CAS [[38966-21-1]]
Biozol Catalog Number	FBM-10-2058
Supplier Catalog Number	10-2058
Alternative Catalog Number	FBM-10-2058-1MG, FBM-10-2058-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	DNA polymerase inhibitor...
Molecular Weight	338.48
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[38966-21-1]
Formula	C <sub>20</sub> H <sub>34</sub> O <sub>4</sub>
Application Notes	Aphidicolin specifically inhibits DNA polymerase alpha and delta via binding to the enzyme, in eukaryotic cells such as the HeLa cell line, without affecting other DNA polymerases <sup>1</sup> . Arrests cell cycle at early S phase while allowing continued cell growth <sup>2</sup> . Potentiates apoptosis induction induced by other agents <sup>3</sup> . Increases gene amplification frequency in HeLa S3 cells overexpressing Bcl-24.